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1 [Author verification by linguistic profiling: An exploration of the parameter space](#)

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Hans Van Halteren

January 2007 ACM Transactions on Speech and Language Processing (TSLP), Volume 4 Issue 1

Publisher: ACM

 Full text available: pdf(180.26 KB) [Additional Information: full citation, abstract, references, index terms](#)

This article explores the effects of parameter settings in linguistic profiling, a technique in which large numbers of counts of linguistic features are used as a text profile which can then be compared to average profiles for groups of texts. Although ...

Keywords: Authorship attribution, authorship recognition, authorship verification, machine learning

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2 [Profiling and reducing processing overheads in TCP/IP](#)

Jonathan Kay, Joseph Pasquale

December 1996 IEEE/ACM Transactions on Networking (TON), Volume 4 Issue 6

Publisher: IEEE Press

 Full text available: pdf(1.21 MB) [Additional Information: full citation, references, cited by, index terms](#)

Algorithm Solutions
Custom scientific Algorithms developed to your specification
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3 [The impact of participation in information system design: a comparison of contextual placements](#)



Magnus Irestig, Henrik Eriksson, Toomas Timpka

July 2004 PDC 04: Proceedings of the eighth conference on Participatory design: Artful integration: interweaving media, materials and practices - Volume 1, Volume 1

Publisher: ACM

 Full text available: pdf(259.12 KB) [Additional Information: full citation, abstract, references, cited by, index terms](#)

To compare the outcomes of participatory and user-centered contextual design, case study methods and the Activity Checklist derived from Activity Theory are used to analyze two system prototypes developed in the same organizational setting. Systematic ...

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4 Software profiling for hot path prediction: less is more



Evelyn Duesterwald, Vasanth Bala

November 2000 ACM SIGPLAN Notices, Volume 35 Issue 11

Publisher: ACM

Full text available: pdf(2.43 MB) Additional Information: full citation, abstract, references, index terms

Recently, there has been a growing interest in exploiting profile information in adaptive systems such as just-in-time compilers, dynamic optimizers and, binary translators. In this paper, we show that sophisticated software profiling schemes that provide ...

5 Profiling self-propagating worms via behavioral fingerprinting



Xuxian Jiang, Dongyan Xu

November 2006 WORM '06: Proceedings of the 4th ACM workshop on Recurring malware

Publisher: ACM

Full text available: pdf(365.36 KB) Additional Information: full citation, abstract, references, index terms

This paper proposes behavioral fingerprinting, a new dimension of worm profiling based on worm infection sessions. A worm's infection session contains a number of steps (e.g., for probing, exploitation, and replication) that are exhibited in certain order ...

Keywords: behavioral fingerprinting, content signature, worm profiling, worms

6 Continuous Path and Edge Profiling

Michael D. Bond, Kathryn S. McKinley

November 2005 MI CRO 38: Proceedings of the 38th annual IEEE/ACM International Symposium on Microarchitecture

Publisher: IEEE Computer Society

Full text available: pdf(554.61 KB) Publisher Site Additional Information: full citation, abstract, references, cited by, index terms

Microarchitectures increasingly rely on dynamic optimization to improve performance in ways that are difficult or impossible for ahead-of-time compilers. Dynamic optimizers in turn require continuous, portable, low cost, and accurate control-flow profiles ...

7 Low-overhead call path profiling of unmodified, optimized code



Nathan Froyd, John Mellor-Crummey, Rob Fowler

June 2005 ICS '05: Proceedings of the 19th annual international conference on Supercomputing

Publisher: ACM

Full text available: pdf(399.67 KB) Additional Information: full citation, abstract, references, cited by

Call path profiling associates resource consumption with the calling context in which resources were consumed. We describe the design and implementation of a low-overhead call path profiler based on stack sampling. The profiler uses a novel sample-driven ...

8 Accurate, efficient, and adaptive calling context profiling



Xiaotong Zhuang, Mauricio J. Serrano, Harold W. Cain, Jong-Deok Choi
June 2006 PLDI '06: Proceedings of the 2006 ACM SIGPLAN conference on
Programming language design and implementation

Publisher: ACM

Full text available: pdf(181.96 KB) Additional Information: full citation, abstract, references,
cited by, index terms

Calling context profiles are used in many inter-procedural code optimizations and in overall program understanding. Unfortunately, the collection of profile information is highly intrusive due to the high frequency of method calls in most applications. ...

Keywords: adaptive, call graph, calling context, calling context tree, java virtual machine, profiling

9 [Portable, efficient, and accurate sampling profiling for java-based middleware](#)



Walter Binder
September 2005 SEM '05: Proceedings of the 5th international workshop on
Software engineering and middleware

Publisher: ACM

Full text available: pdf(166.68 KB) Additional Information: full citation, abstract, references,
index terms

This paper presents innovative program transformations for the efficient and accurate profiling of Java programs. The profiling is based on a deterministic sampling mechanism that exploits the number of executed JVM bytecode instructions to trigger a ...

Keywords: JVM, Java, bytecode instrumentation, program transformations, sampling profiling

10 [Software profiling for hot path prediction: less is more](#)



Evelyn Duesterwald, Vasanth Bala
December 2000 ACM SIGARCH Computer Architecture News, Volume 28 Issue 5
Publisher: ACM

Full text available: pdf(286.07 KB) Additional Information: full citation, abstract, references,
cited by, index terms

Recently, there has been a growing interest in exploiting profile information in adaptive systems such as just-in-time compilers, dynamic optimizers and, binary translators. In this paper, we show that sophisticated software profiling schemes that provide ...

11 [Partial method compilation using dynamic profile information](#)




John Whaley
October 2001 OOPSLA '01: Proceedings of the 16th ACM SIGPLAN conference on
Object oriented programming, systems, languages, and applications
Publisher: ACM


Full text available: pdf(1.73 MB) Additional Information: full citation, abstract, references, cited
by, index terms

The traditional tradeoff when performing dynamic compilation is that of fast compilation time versus fast code performance. Most dynamic compilation systems for Java perform selective compilation and/or optimization at a method granularity. This is the ...

12 Ontological user profiling in recommender systems

 Stuart E. Middleton, Nigel R. Shadbolt, David C. De Roure
January 2004 ACM Transactions on Information Systems (TOIS). Volume 22
Issue 1


Publisher: ACM

Full text available:  pdf(358.77 KB) Additional Information: full citation, abstract, references,
cited by, index terms

We explore a novel ontological approach to user profiling within recommender systems, working on the problem of recommending on-line academic research papers. Our two experimental systems, Quickstep and Foxtrot, create user profiles from unobtrusively ...

Keywords: Agent, machine learning, ontology, personalization, recommender systems, user modelling, user profiling


13 Proceedings of the 2005 ACM workshop on Information retrieval in peer-to-peer networks

 Henrik Nottelmann, Karl Aberer, Jamie Callan, Wolfgang Nejdl
November 2005 proceeding
Publisher: ACM


Additional Information: full citation, abstract

It is our great pleasure to welcome you to the *2th Workshop on Information Retrieval in Peer-to-Peer Networks -- P2PIR 2005*. This year's workshop aims at bringing together young researchers from Information Retrieval and Database Systems working ...

14 Topic taxonomy adaptation for group profiling

 Lei Tang, Huan Liu, Jianping Zhang, Nitin Agarwal, John J. Salerno
January 2008 ACM Transactions on Knowledge Discovery from Data (TKDD). Volume 1 Issue 4


Publisher: ACM


Full text available:  pdf(1.06 MB) Additional Information: full citation, abstract, references, index
terms

A topic taxonomy is an effective representation that describes salient features of virtual groups or online communities. A topic taxonomy consists of topic nodes. Each internal node is defined by its vertical path (i.e., ancestor and child nodes) and ...

Keywords: Topic taxonomy, dynamic profiling, group interest, taxonomy adjustment, text hierarchical classification

15 Profiling tools for hardware/software partitioning of embedded applications

 Dinesh C. Suresh, Walid A. Najjar, Frank Vahid, Jason R. Villarreal, Greg Stitt
July 2003 ACM SIGPLAN Notices. Volume 38 Issue 7
Publisher: ACM

Full text available:  pdf(228.38 KB) Additional Information: full citation, abstract, references,
cited by, index terms

Loops constitute the most executed segments of programs and therefore are the best candidates for hardware software partitioning. We present a set of profiling tools that are specifically dedicated to loop profiling and do support combined function and ...

Keywords: compiler optimization, hardware/software partitioning, loop analysis

16 Heap profiling for space-efficient Java

Ran Shahan, Elliot K. Kolodner, Mooly Sagiv

June 2001 PLDI '01: Proceedings of the ACM SIGPLAN 2001 conference on Programming language design and implementation

Publisher: ACM

Full text available: pdf(1.52 MB) Additional Information: full citation, abstract, references, cited by, index terms

We present a heap-profiling tool for exploring the potential for space savings in Java programs. The output of the tool is used to direct rewriting of application source code in a way that allows more timely garbage collection (GC) of objects, thus saving ...

17 Estimating the impact of heap liveness information on space consumption in Java

Ran Shahan, Elliot K. Kolodner, Mooly Sagiv

February 2003 ACM SIGPLAN Notices. Volume 38 Issue 2 supplement

Publisher: ACM

Full text available: pdf(303.65 KB) Additional Information: full citation, abstract, references, cited by, index terms

We study the potential impact of different kinds of liveness information on the space consumption of a program in a garbage collected environment, specifically for Java. The idea is to measure the time difference between the actual time an object is ...

Keywords: Java, compilers, garbage collection, liveness analysis, memory management, program analysis

18 Comparing corpora using frequency profiling

Paul Rayson, Roger Garside

October 2000 Proceedings of the workshop on Comparing corpora - Volume 9, Volume 9

Publisher: Association for Computational Linguistics

Full text available: pdf(488.11 KB) Additional Information: full citation, abstract, references, cited by

This paper describes a method of comparing corpora which uses frequency profiling. The method can be used to discover key words in the corpora which differentiate one corpus from another. Using annotated corpora, it can be applied to discover key grammatical ...

19 Semisupervised Learning for Molecular Profiling

Cesare Furlanello, Maria Serafini, Stefano Merler, Giuseppe Jurman

April 2005 IEEE/ACM Transactions on Computational Biology and Bioinformatics (TCBB). Volume 2 Issue 2

Publisher: IEEE Computer Society Press

Full text available: pdf(1.03 MB) Additional Information: full citation, abstract, references, index terms

Class prediction and feature selection are two learning tasks that are strictly paired in the search of molecular profiles from microarray data. Researchers have become aware how easy it is to incur a selection bias effect, and complex validation setups ...

Keywords: Machine learning, data mining, classifier design and evaluation, feature evaluation and selection, pattern analysis, clustering, similarity

measures, biology and genetics, bioinformatics databases.

20 [Adaptive information access and the quest for the personalization-privacy sweetspot](#)

Barry Smyth

January 2005 | UI '05: Proceedings of the 10th international conference on Intelligent user interfaces

Publisher: ACM

Full text available:  pdf (100.67 KB) Additional Information: full citation, abstract, cited by

In 2000 the entire World-Wide Web consisted of just 21 terabytes of information; now it grows by 3 times this every single day. This phenomenal growth frames the information overload problem that is threatening to stall the information revolution going ...

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